

DESCRIPTION OF MAP UNITS

- Snow avalanches - Significant potential for snow avalanches based on the presence of steep topography.
- Naleds - Area susceptible to winter buildup of thick seasonal icing sheets (naleds).

DESCRIPTION OF MAP SYMBOLS

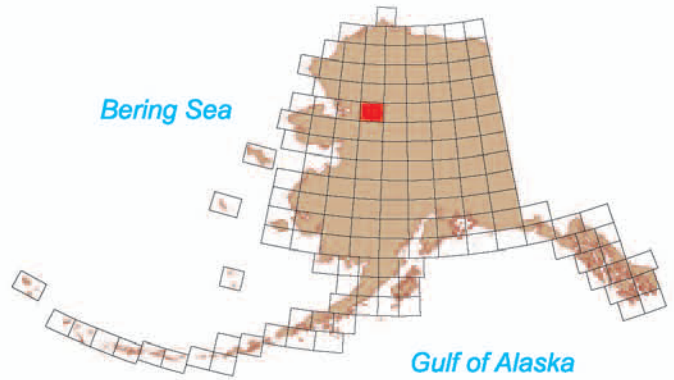
- Definitely active fault - Clear evidence of movement during the past 10,000 years; solid where location is known, dashed where approximately located, dotted where inferred.

PERMAFROST

Perennially frozen ground is transitional from continuous to discontinuous in this quadrangle.

MAP SOURCES

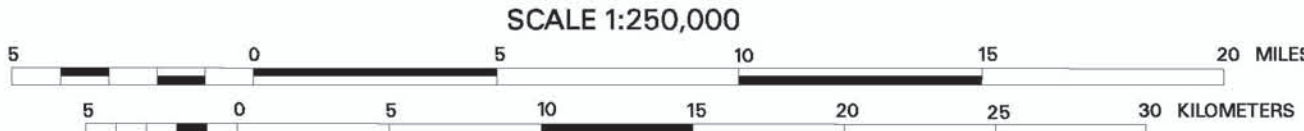
- Brogan, G.E., Cluff, L.S., Korringa, M.K., and Slemmons, D.B., 1975, Active faults in Alaska, in Pavoni, N., and Green, R., eds., Recent crustal movements: Tectonophysics, v. 29, no. 1-4, p. 73-85.
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- Hamilton, T.D., 1984, Late Quaternary offsets along the Kobuk and related fault zones, northwestern Alaska (abs.): Geological Society of America Abstracts with Programs, v. 16, no. 5, p. 288.
- Patton, W.W., Jr., 1973, Reconnaissance geology of the northern Yukon-Koyukuk province, Alaska: U.S. Geological Survey Professional Paper 774-A, 17 p.
- Patton, W.W., Jr., Miller, T.P., and Tailleux, I.L., 1968, Regional geologic map of the Shungnak and southern part of the Ambler River quadrangles, Alaska: U.S. Geological Survey Miscellaneous Geologic Investigations Map 1-554, scale 1:250,000, 1 sheet.
- Post, Austin, and Mayo, L.R., 1971, Glacier dammed lakes and outburst floods in Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-455, 9 p., scale 1:1,000,000, 3 sheets.
- Reger, R.D., 1992 map interpretation.



Location map for Shungnak Quadrangle

Base from USGS Shungnak (1965, limited revisions 1983) Quadrangle, Alaska

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.G. Starnem, USGS



CONTOUR INTERVAL 200 FEET  
NATIONAL GEODESIC VERTICAL DATUM OF 1929  
1984 MAGNETIC DECLINATION AT SOUTH EDGE OF MAP VARIES FROM 22°00' TO 24°00' EAST

MAP OF POTENTIAL GEOLOGIC HAZARDS ALONG PROPOSED TRANSPORTATION CORRIDORS  
IN THE SHUNGNAK QUADRANGLE, ALASKA: PART 2, ADDITIONAL HAZARDS

compiled by  
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2003



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